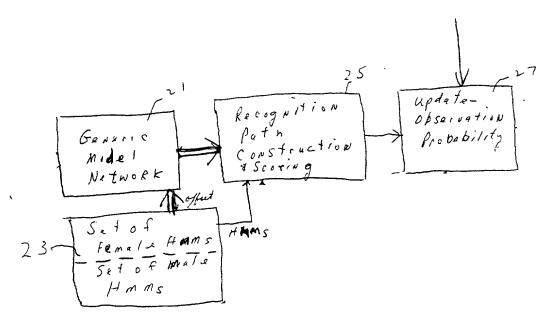


Figure 1: Conventional recognizers require large network to specify multiple HMM set ζ

speach frame t



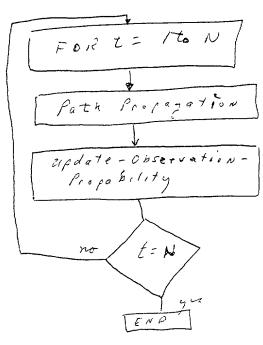


Fig 3